



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3628-1
Job Sheet 194840



Part No: D3628-1

Job Qty: 250 pcs

Part Name: Washer, Cupped



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/9/19

Job Tracking No:

Created By: Kimberley Guerin

Due Date: 5/31/19

Description:

Type: Stock

Note: DWG REV C IPP Rev:A New Issue 07-05-28 JLM IPP Rev:B Removed Powder 07-07-11 JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Lead Time	Sign-off
100	Purchasing	250 pcs	5/31/19	5/31/19	0.00	0.00	Purchasing - 1		JUL 10 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	250 pcs	5/31/19	5/31/19	0.00	0.00	Packaging 2 - 1 - B4B		
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		JUL 10 2019
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		



Container No: S197061



Part: D3628-1

Job No: 194840

Serial No/Batch: S197061

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 07/10/19

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

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				B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	250 pcs	5/31/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
130	Packaging 3-1 - Stock - B4B	250 pcs	5/31/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
				Plex 5/9/19 9:11 AM Dart.Guerin.Kimberley	

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JUL 15 2019

					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	PC 57044
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140	QC 21 - SA	250 pcs	5/31/19	0.00 0.00	QC 21 - SA - 21	JUL 16 2019
					QC 21 - SA - 70	
					QC 21 - SA - 53	

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Part Op 100 - Purchasing - Issue P/O: 43419 Email or Ship DXF file to vendor Laser Cut D3628-1 flat pattern and form
 Descriptions: as per Dwg D3628 Possible Supplier: GFI
 110 - (Receive & Inspect for Damage & Mat'l Certs - Ensure material certification is attached
 120 - QC6- All purchased or subcontracted products
 130 - Identify as per dwg & Stock Location: _____
 140 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D3628-1P	Cupped Washer	250 pcs (1 ea)	100-Purchasing	5197060

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D3628-1P	250	0	0

Part Specifications

Specifications could not be found.

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043419



Supplier: GFI001-VC
ABB Installation Products Ltd.
180 Avenue Labrosse
Pointe Claire
QC
H9R 1A1 Canada
Phone: 514 630 4877
Fax: 514 630 4849

PO No: POHB043419
PO Date: 5/9/19
Due Date: 5/24/19
Purchase Order Revision:
Revision Date:
Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

E-MAILED
2019-05-09

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	194840	D3628-1P			Cupped Washer : Various STC's As Per Dwg D3628 Rev. C	Firmed	-	5/24/19	250 pcs	0 pcs	250 pcs	\$2.72/pcs	\$680.00
Grand Total:													\$680.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

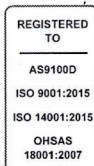
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Plex 5/9/19 9:15 AM Dart.Guerin.Kimberley



by ABB

ABB PRODUITS D'INSTALLATION LTÉE
ABB INSTALLATION PRODUCTS LTD.
180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849



BON DE LIVRAISON /SHIPPING MEMO

DATE DE LIVRAISON/SHIPPING DATE			N° DE BON DE LIVRAISON SHIPPING MEMO NO.	PAGE
JR - DY	MO - MO	AN - YR		
05	07	19	0644072	1/1



VENDU À /SOLD TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

EXPÉDIÉ À /SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT CUSTOMER CODE	N° DE CONTRAT JOB NO.	VOTRE N° DE COMMANDE YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR SHIP VIA
DART	GFI-0299	POHB043419	

QUANTITÉ QUANTITY	N° DE PIÈCE PART NO.	DESCRIPTION
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✓ 250 D3628-1P ✓

CUPPED WASHER

ITEM 1

MFG. JOB# 0366281-001 QTY 250 pcs

DUE DATE: 15 July 2019



RECEIVED
JUL 10 2019
DART AEROSPACE LTD.

EXPÉDITEUR
SHIPPER

REÇU PAR /RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

**CERTIFICAT DE CONFORMITE
CERTIFICATE OF COMPLIANCE**



**ABB PRODUITS D'INSTALLATION LTÉE
ABB INSTALLATION PRODUCTS LTD.**

180 Ave. Labrosse
Point-Claire, QC H9R 1A1
Tel: (514) 630-4877
Fax: (514) 630-4849

CLIENT / CUSTOMER
DART AEROSPACE LTD

NO DU BON DE VENTE DE CLIENT / CUSTOMER ORDER NO.
POHB043419

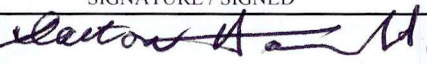
FOURNISSEUR / FABRICATION / LOT# / TYPE
DISTRIBUTOR / MANUFACTURER / LOT# / TYPE
**TW METALS/ NORTH AMERICAN STAINLESS #
929M /.050 SST/ AMS 5513 / 304 ANN**

BON DE LIVRAISON / SHIPPING MEMO
0644072

DATE DE LIVRAISON / SHIPPING DATE
05 July 2019

ARTICLE / ITEM	QTY / QTE	NO. DE PIECE / PART NUMBER	DESIGNATION / DESCRIPTION
1	250	D3628-1P	CUPPED WASHER
SPECIFICATIONS / SPECIFICATIONS		RESULTAT DE ESSAIS / TEST RESULTS	
GFI TRACEABILITY NO# 0366281-001 NOTES: ADDITIONAL CHANGES: DRAWING REV. LEVEL: C		1. MATERIAL DISTRIBUTOR AND MANUFACTURER C/C AS ABOVE ATTACHED 2. IDENTIFY PER QSI 044 6.5 3. NOTE: ALL C/C ATTACHED AND ON FILE. 4. GFI CONTRAT JOB NO. 0366281 5. REF. GFI MANUFACTURING JOB NUMBER 0366281-001 (250 PCS) DAS 40 9-89	

SIGNATURE / SIGNED





POUR / FOR

ABB / GFI

JE CERTIFIE PAR LA PRÉSENTE QUE LE MATÉRIEL ÉNUMÉRÉ CIDESSUS A ÉTÉ INSPECTÉ ET EST CONFORME AU DESSIN ET/OU AUX SPÉCIFICATIONS RÉFÉRENCÉES PAR VOTRE BON DE COMMANDE

I HEREBY CERTIFY THAT THE MATERIAL LISTED ABOVE HAS BEEN INSPECTED, TESTED AND CONFORMS TO THE DRAWING AND/OR SPECIFICATIONS REFERENCED BY YOUR PURCHASE ORDER

Q.A. MANAGER

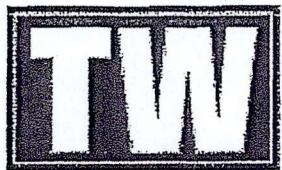


Q.C. SUPERVISOR



Q.C. INSPECTOR





TW METALS

O'Neal High-Performance
Metals Group

CERTIFICATIONS

FRAUD AND FALSIFICATION STATEMENT

The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under statutes including federal law. Title 18 chapter 47.

CERTIFICATE OF COMPLIANCE

This certificate of compliance certifies that the material supplied on the purchase order number below complies in all respects with the material description and procurement specifications.

MERCURY FREE STATEMENT

TW Metals certifies that the supplies furnished under this contract contain no metallic mercury or mercury compounds, and have not come in contact with mercury or alpha bearing instruments while in the possession of TW Metals Inc.

Customer Name: GFI, Inc

Purchase Order No.: 0092202

Item number: 0001

Shipper/Invoice No.: 12110897

Material: SFS 304

Manufacturing Mill: NAS

Specification: AMS 5513

Heat / Lot No. 929m

Size: .0500

Quantity: 1 pc

Signature: Janice Clark

Date: 11/14/18

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United Performance Metals

Paul P. Moore
Sales
Quality Associate

Customer PO: D12018996
UPM Sales Order: 697497
Date: 14/11/2018
Description/Form: STAINLESS 304L - SHEET
Heat Number: 929M Ingot: 04929M C

Size: .0500
Customer P/N: TS05048X964A
Packing List Number: 89217-1
Quantity: 62 lb. 1 pc.



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 437259 03 Mail To:
Customer: 0018 001 UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON, OH 45015

Ship To:
UNITED PERFORMANCE METALS
3475 SYMMES ROAD
HAMILTON, OH 45015

Date: 8/15/2018 Page: 1
Steel: 302/304/304L
Finish: 2B

Your Order: CIN-31507

NAS Order: AN 0814821 01

Corrosion: ASTM A262/15;180Send-OK

PRODUCT DESCRIPTION:

S/S COIL, C.R. ANNEALED & PICKLED; UNS 30400/30403/30200
ASTM A240/17, A480/15b, A566/15; ASME SA240/17, SA480/17, SA566/17
CHEM ONLY ON FOLLOWING ASTM: A276/17, A479/17, A484/16, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5511H/5513J/5516P XERR; MIL-S-5059D AMD3 (X CRN HEAS); MIL-4043B
NACE MR0175/ISO 15156-3:2009 A, MR0103/07; QQS756D-A X MAG PERM
MIN. SOLUTION ANNEAL TEMP 1900P, WATER QUENCHED
FMI 304L/304/302; AMS 5511H

REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1; ROHS 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001
*Melted & Manufactured in the USA; Mat'l is DFARS Compliant

Product ID #	Coil #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	COMMODITY CODE
04929M C	* 04929M C	.0500	48.0000	17,200	COIL	2139.4	3	1 00624

ANAB, ISO/IEC 17025, Certificate# L2323

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
929M	US	.0214	18.2230	.3200	1.8350	.2990	.0809	8.0230	.0330	.0010
SI %										
		.2420								

MECHANICAL PROPERTIES

Product ID #	Coil #	1 d o i c r	UTS KSI	20C .2% YS KSI	20C ELONG %-2"	% Hard RB	Tail Hard	Grain No.	D Per F.N.	A 262 'E' Pr E
04929M C	04929M C	F T	97.56	47.68	51.02	86.00	81.50	10.00	3.28	OK

UPMCK
Reviewed/Approved by OK
Reviewed/Specified by: JH
Created by: Mike Lark
Page 1 Date 8/15/2018

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK 8/15/2018

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9-89



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043419



Supplier: GFI001-VC
ABB Installation Products Ltd.
180 Avenue Labrosse
Pointe Claire
QC
H9R 1A1 Canada
Phone: 514 630 4877
Fax: 514 630 4849

PO No: POHB043419

PO Date: 5/9/19

Due Date: 5/24/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

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Grand Total:													\$680.00

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A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

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APPROVED

By Pedro Mendez at 1:41 pm, May 09, 2019